



LKT Laboratories, Inc.

β -Rubromycin

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID R8207

CAS No. 27267-70-5

Chemical Name Spiro(benzo(1,2-b:5,4-c')dipyran-2(3H),2'(3'H)-naphtho(1,2-b)furan)-7-carboxylic acid,4,4',5',9-tetrahydro -6',10-dihydroxy-7',9'-dimethoxy-4',5',9-trioxo-, methyl ester

Synonym

Formula C₂₇H₂₀O₁₂

Formula Wt. 536.44

Melting Point

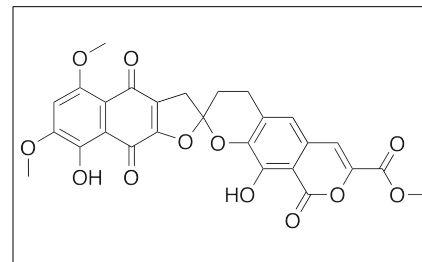
Purity \geq 98%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description β -Rubromycin is a quinolone antibiotic that directly inhibits telomerase; it exhibits some antibacterial and antiviral activities. β -Rubromycin inhibits HIV-1 reverse transcriptase and also displays anticancer potential, decreasing the proliferation of cancer cells in vitro.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R8207	1 mg	\$238.10
R8207	5 mg	\$923.20

References Mizushima Y, Takeuchi T, Sugawara F, et al. Anti-cancer targeting telomerase inhibitors: β -rubromycin and oleic acid. *Mini Rev Med Chem.* 2012 Oct;12(11):1135-43. PMID: 22876944.

Ueno T, Takahashi H, Oda M, et al. Inhibition of human telomerase by rubromycins: implication of spiroketal system of the compounds as an active moiety. *Biochemistry.* 2000 May 23;39(20):5995-6002. PMID: 10821671.

Goldman ME, Salituro GS, Bowen JA, et al. Inhibition of human immunodeficiency virus-1 reverse transcriptase activity by rubromycins: competitive interaction at the template.primer site. *Mol Pharmacol.* 1990 Jul;38(1):20-5. PMID: 1695317.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.